Multiflex

Section 1. Identification

Common name: Multiflex

Synonym: Not applicable

Material uses: Excellent performance thin-set mortar

Supplier / Manufacturer:

La Margna inc
412 avenue Saint-Sacrement
Québec
Québec, Canada, G1N 3Y3
Phone: 1-800-463-6850

In case of emergency:

CANUTEC: (613) 996-6666 (Canada)
Chemtrec: (800) 424-9300 (United States)

Section 2. Hazards identifications

Classification:

Skin corrosion, Category 1
Serious eye damage, Category 1
Carcinogenicity, Category 1A
Specific target organ toxicity - Single exposure (Respiratory tract irritation), Category 3
Specific target organ toxicity - Repeated exposure, Category 1

Signal word: Danger

Hazard statements:

H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H350: May cause cancer.
H372: Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P264: Wash exposed and/or contaminated area thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P308+P313: If exposed: Call a POISON CENTER or doctor/physician.

P310: Immediately call a POISON CENTER or a doctor.

P314: Get medical advice/attention if you feel unwell.

P321: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

P363: Wash contaminated clothing before reuse.

P403+P233: Store in a well ventilated place. Keep container tightly closed.

P405: Store locked up.

P501: Dispose of contents / container by a local waste disposal company according to regional regulations.

Section 3. Composition and information on ingredients

Name	CAS	Concentration %
Crystalline silica	14808-60-7	30 - 60
Portland cement	65997-15-1	15 - 40
Aluminum oxide	1344-28-1	7 - 13
Iron oxide	1309-37-1	3 - 7
Disodium oxide	1313-59-3	1 - 5
Dipotassium oxide	12136-45-7	1 - 5
Calcium oxide	1305-78-8	1 - 5
Cement, alumina, chemicals	65997-16-2	0.5 - 1.5
Calcium diformate	544-17-2	0.1 - 1

Section 4. First aid measures

Description of first aid if required:

An exposure of duration on the wet cement, or on the humid zones of the body, perhaps on the serious and irreversible lesions of the skin, the eyes, the respiratory and digestive tracts.

Eye contact:
Rinse eyes thoroughly with water for at least 15 minutes.

Skin contact:
Wash with plenty of water and soap.

Inhalation:
Bring the conscious victim to fresh air.

Ingestion:
Rinse mouth. Do NOT induce vomiting.

Indication of immediate medical attention and special treatment needed, if necessary:
Treat according to symptoms. Show this safety data sheet to the doctor in attendance.

Most important acute symptoms and effects:
Causes severe skin burns. Causes serious eye damage. May cause respiratory irritation.

Most important delayed symptoms and effects:
May cause cancer. Causes damage to organs through prolonged or repeated exposure.

Section 5. Fire fighting measures

Flammability of the product:
Non-flammable

Flash point:
N/A

Auto-ignition temperature:
N/A

Products of combustion:
Not applicable

Special protective actions for fire-fighters:
Wear self-contained breathing apparatus and appropriate protective clothing.

Suitable extinguishing media:
Use means of extinction the most suited to the surrounding materials.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:
For non emergency personnel: Evacuate the area.
For emergency personnel: Splash goggles, full suit, chemical resistant gloves. A self-contained breathing apparatus is recommended to avoid inhalation of the product. Suggested protective clothing might not be sufficient. Consult a specialist before handling this product.

Environmental precautions:
Do not let product enter drains

Methods and material for containment and cleaning up:
Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Section 7. Handling and storage

Precautions in Handling:
Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

Precautions in Storage:
Keep container tightly closed in a cool, dry and well-ventilated place.

Section 8. Exposure Controls, Personal Protections

Control parameters:

Component	CAS	Value	Control parameters	Basis
Crystalline silica	14808-60-7	PEL	0.05 mg/m³ (inhalable fraction)	OSHA
		TWA	0.025 mg/m³ (inhalable fraction)	ACGIH
		TWA	0.1 mg/m³ (inhalable fraction)	CNESST
Aluminum oxide	1344-28-1	TWA	5 mg/m³ (inhalable fraction)	OSHA
		TWA	10 mg/m³	ACGIH
		TWA	15 mg/m³	OSHA
Iron oxide	1309-37-1	TWA	5 mg/m³ (inhalable fraction)	CNESST
		TWA	5 mg/m³	ACGIH
Portland cement	65997-15-1	TWA	5 mg/m³ (inhalable fraction)	CNESST
		TWA	10 mg/m³ (inhalable fraction)	CNESST
		TWA	10 mg/m³	ACGIH
Cement, alumina, chemicals	65997-16-2	TWA	5 mg/m³ (inhalable fraction)	OSHA
		TWA	15 mg/m³	OSHA
		TWA	3 mg/m³ (inhalable fraction)	ACGIH
		TWA	10 mg/m³	ACGIH
Calcium oxide	1305-78-8	TWA	2 mg/m³	CNESST

Engineering controls:
Use mechanical exhaust or laboratory fumehood to avoid exposure.

Personal protective equipment:

Eyes: Wear safety glasses.

Skin/body: Wear a lab coat or any other appropriate protective clothing.

Respiratory: If ventilation is insufficient, choose appropriate respiratory protection according to levels and duration of exposure.

Hands: Wear chemical resistant protective gloves.

Section 9. Physical and chemical properties

Physical state: Solid
Color: Grey
Odour: Odorless
Melting point/Freezing point: Data not available
Boiling point: Data not available
Appearance: Powder
Flash point: Data not available
Auto-ignition temperature: Data not available
pH: Data not available
Solubility: Soluble
Density: 3.0 - 3.5

Section 10. Stability and reactivity

Chemical stability: Stable under recommended storage conditions.
Conditions to avoid: Incompatible materials, moisture
Incompatible materials: Strong oxidizing agents, acids
Hazardous decomposition products: None known

Section 11. Toxicological information

Acute toxicity:

Component	CAS	Value
Aluminum oxide	1344-28-1	DL_{50} Oral: Rat > 3600 mg/kg
Calcium diformate	544-17-2	DL_{50} Oral: Rat = 2560 mg/kg

Skin corrosion/irritation:
Portland cement: May cause skin irritation.
Disodium oxide: Causes severe skin burns and eye damage.
Dipotassium oxide: Causes severe skin burns and eye damage.
Calcium oxide: Causes severe skin burns and eye damage.
Cement, alumina, chemicals: Causes skin irritation

Serious eye damage/irritation:
Portland cement: Causes serious eye damage.
Disodium oxide: Causes serious eye damage.
Calcium oxide: Causes serious eye damage.
Cement, alumina, chemicals: Causes serious eye irritation.
Calcium diformate: Causes serious eye damage

Respiratory or skin sensitisation:
Not applicable

Gem cell mutagenicity:
Not applicable

Carcinogenicity:
Crystalline silica: Suspected of causing cancer

Reproductive toxicity:
Not applicable

STOT- Single exposure:
Portland cement: May cause respiratory irritation.
Disodium oxide: May cause respiratory irritation.
Calcium oxide: May cause respiratory irritation

STOT- repeated exposure:
Crystalline silica: Causes damage to organs through prolonged or repeated exposure cause the hazard (lungs)

Aspiration hazard:
Not applicable

Information on likely route of exposure:
Not applicable

Section 12. Ecological information

Ecological data for aquatic environments:

Component	CAS	Value
Calcium oxide	1305-78-8	CL_{50} - Cyprinus carpio 1.070 mg/L - 96h

Persistence and degradability:
Data not available

Bioaccumulative potential:
Data not available

Mobility in soil:
Data not available

Other adverse effects:
Data not available

Section 13. Disposal considerations

Waste disposal:
Dispose of the chemical waste is in conformity with the federal, provincial and local laws. Store the residues of the product in safe containers. Place the containers in storage area of dangerous chemical waste.

Section 14. Transportation information

No TDG/DOT/IMDG/IATA Classification

Section 15. Regulatory information

General product information:
This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the required information.

Section 16. Additional information

Date of issue:
2019-10-16

Version:
1.00

Elaborated by:
Toxyscan inc.

Notice to reader:
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Références:

- *Répertoire toxicologique of la Commission des normes, de l'équité, de la santé et de la sécurité du travail.*
- *Registry of Toxic effects of Chemical Substances of the Canadian Centre for Occupational Health and Safety.*
- *Material safety data sheet from the manufacturer.*
- *Hazardous Products Regulations (DORS/2015-17).*
- *Canadian Transport of Dangerous Goods.*
- *GHS (rev.7) (2017) globally harmonized system of classification and labeling of chemicals - united nations*